

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Sir:

16519

U.S. PTO

Atty. Dkt.: 2635-197

Date: December 23, 2003



122303

00727 U.S. PTO  
10/743409

122303

Attached for filing is the patent application of:

Inventor: HATADA et al

Entitled: GAS CONCENTRATION MEASURING APPARATUS

and including attachments as noted below:

- ☒ Newly executed Declaration, ☐ Copy of Declaration from prior application, ☒ Abstract  
☐ Please **delete** the following inventors in the continuation/division/continuation-in-part application:  
**Deleted persons:**  
50 pages of specification and claims (including 28 numbered claims), and  
12 sheets of accompanying drawing/s.  
☒ Record the attached assignment to DENSO CORPORATION, Aichi-pref., JAPAN and return to the undersigned.  
☐ Attached is a Power of Attorney.  
☒ Priority is hereby claimed under 35 U.S.C. § 119 based on the following foreign applications:
- | Application Number | Country | Day/Month/Year Filed |
|--------------------|---------|----------------------|
| 2002-377918        | JAPAN   | 26 December 2002     |
| 2003-369483        | JAPAN   | 29 October 2003      |

, respectively, the entire content of which is hereby incorporated by reference in this application..

- ☒ Certified copy(ies) of foreign application(s) is/are attached.  
☐ Certified copy(ies) filed on \_\_\_\_\_ in prior appln. no. \_\_\_\_\_ filed \_\_\_\_\_  
☐ Petition filed in prior application to extend its life to insure co-pendency.  
☐ The prior application is assigned to \_\_\_\_\_  
☐ It is hereby requested that the Examiner consider the art cited in the parent application by applicant and/or the Examiner for the reasons stated therein. A listing of that art is attached.  
☐ Applicant claims "small entity" status. ☐ "Small entity" statement attached.  
☐ Please enter the attached preliminary amendment **prior** to calculation of filing fee:  
  
☒ Also attached: ☒ Information Disclosure Statement; ☐ Non-Publication Request; ☐ Nucleotide and/or Amino Acid Sequence Submission; ☐ Statement deleting Inventor(s) named in prior application; ☒ Other: PTO 1449 W/References

**FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY HEREWITH CANCELED**

|  |    |                      |   |                           |           |
|--|----|----------------------|---|---------------------------|-----------|
| Basic Filing Fee   |    |                      |   | \$                        | 770.00    |
| Total effective claims   | 28 | - 20 (at least 20) = | 8 | x \$ 18.00                | \$ 144.00 |
| Independent claims   | 2  | - 3 (at least 3) =   | 0 | x \$ 86.00                | \$ 0.00   |
| If any proper multiple dependent claims now added for first time, add \$290.00 (ignore improper) |    |                      |   | \$                        | 0.00      |
|  |    |                      |   | <b>SUBTOTAL</b>           | \$ 914.00 |
| If "small entity," then enter half (1/2) of subtotal and subtract                                |    |                      |   | -\$                       | ( 0.00)   |
|  |    |                      |   | <b>SECOND SUBTOTAL</b>    | \$ 914.00 |
| Assignment Recording Fee (\$40.00)   |    |                      |   | \$                        | 40.00     |
|  |    |                      |   | <b>TOTAL FEE ENCLOSED</b> | \$ 954.00 |

Any future submission requiring an extension of time is hereby stated to include a petition for such time extension.

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our **Account No. 14-1140**.  
A duplicate copy of this sheet is attached.

Correspondence Address:

**Customer Number:** 23117

Telephone: (703) 816-4000  
Facsimile: (703) 816-4100  
LSN: pdc

**NIXON & VANDERHYE P.C.**

By Atty: Larry S. Nixon, Reg. No. 25,640

Signature: 